NPDES Phase II Small MS4 Permit Program

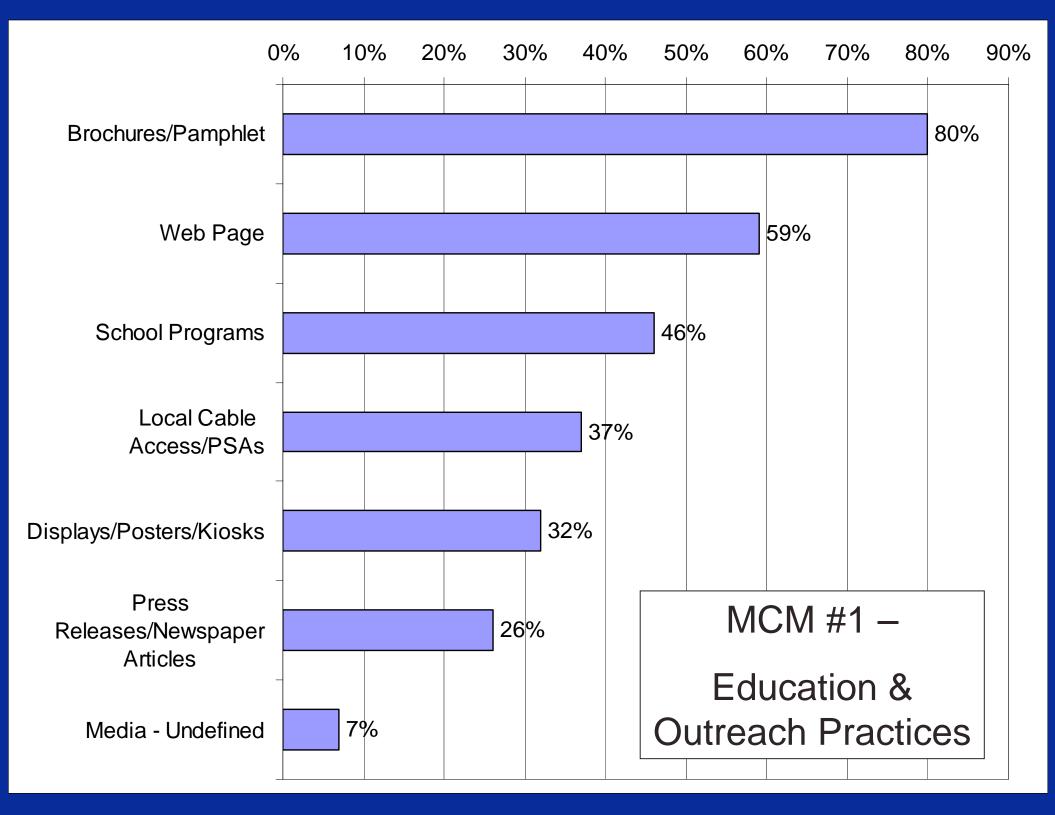
Permit Year 2

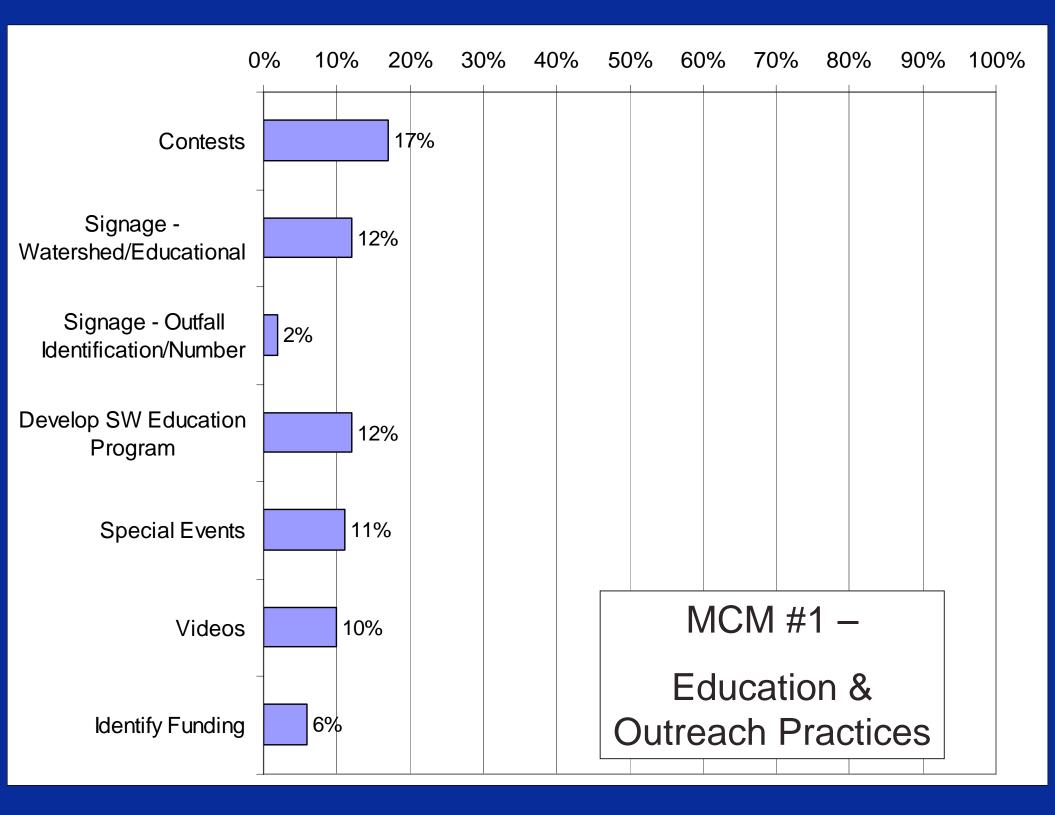
SWMP Summaries &

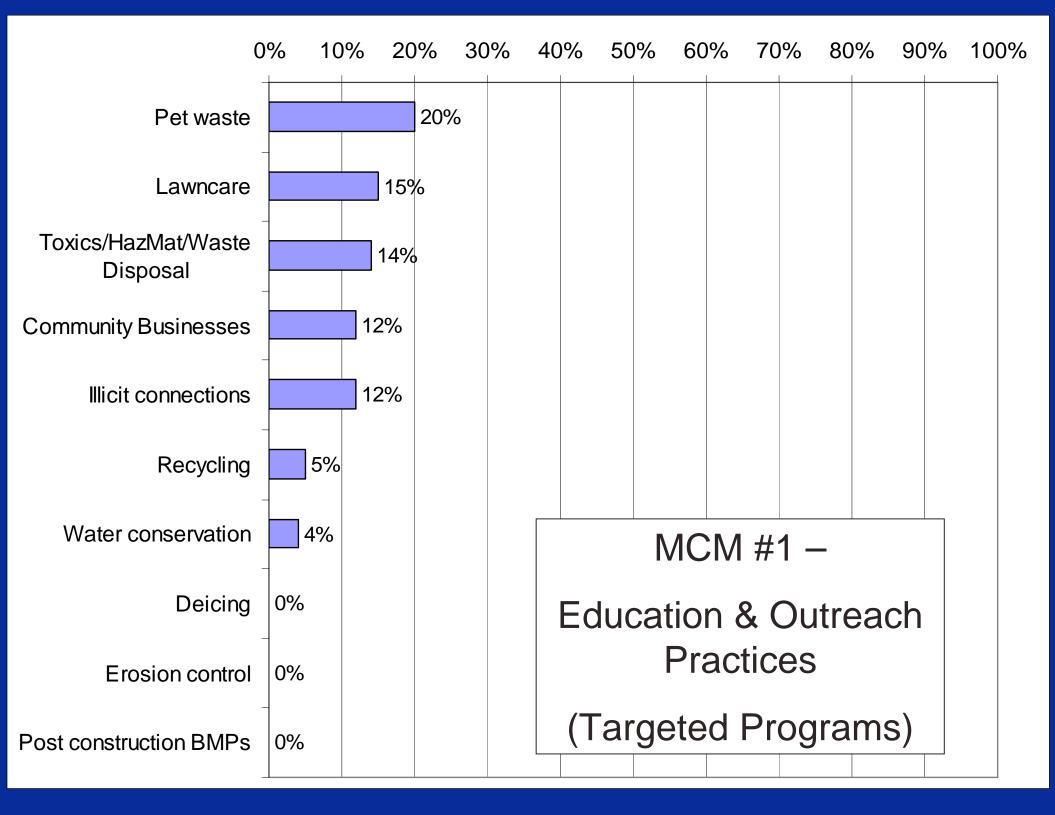
Select Metrics
MA Traditional MS4s

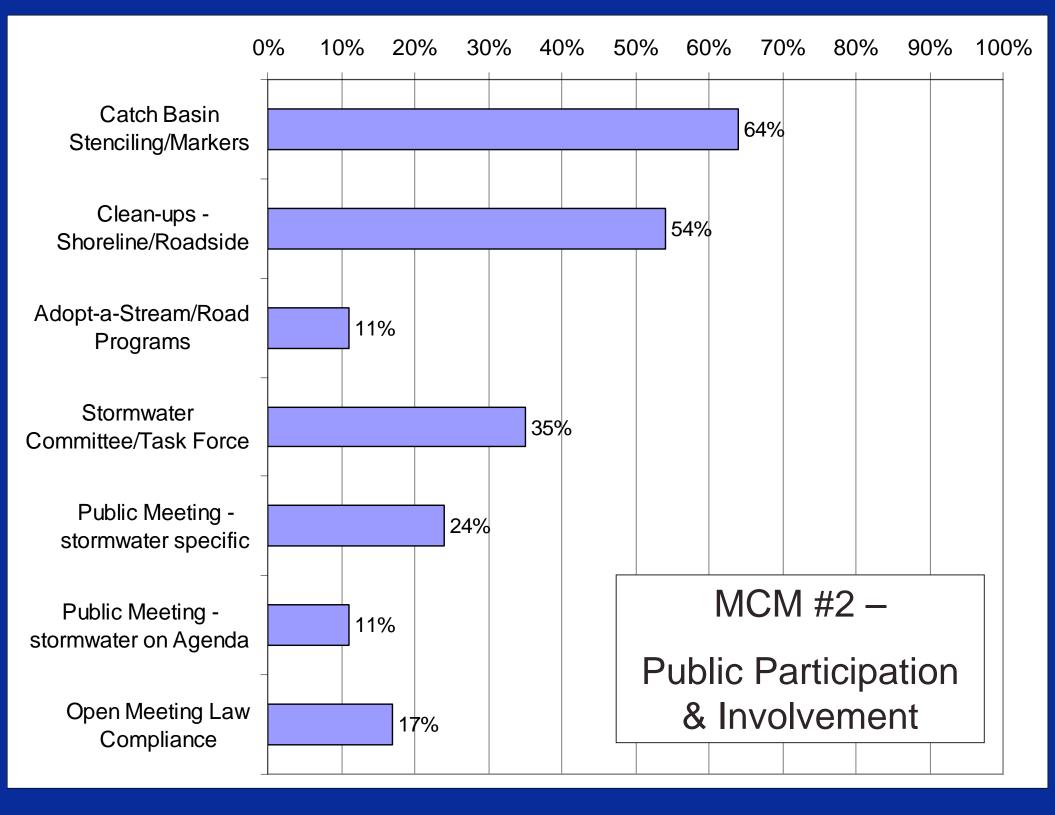
76% Reporting (180/237) ~70% Provided Significant Metric Data (126/180)

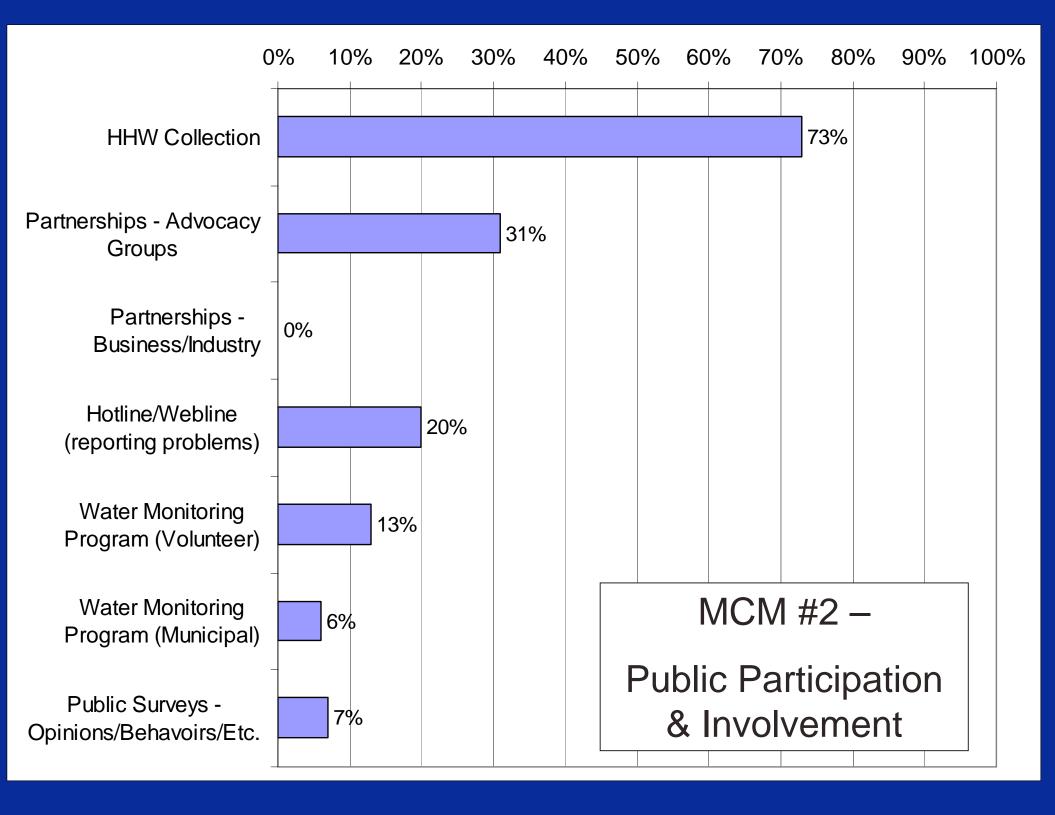


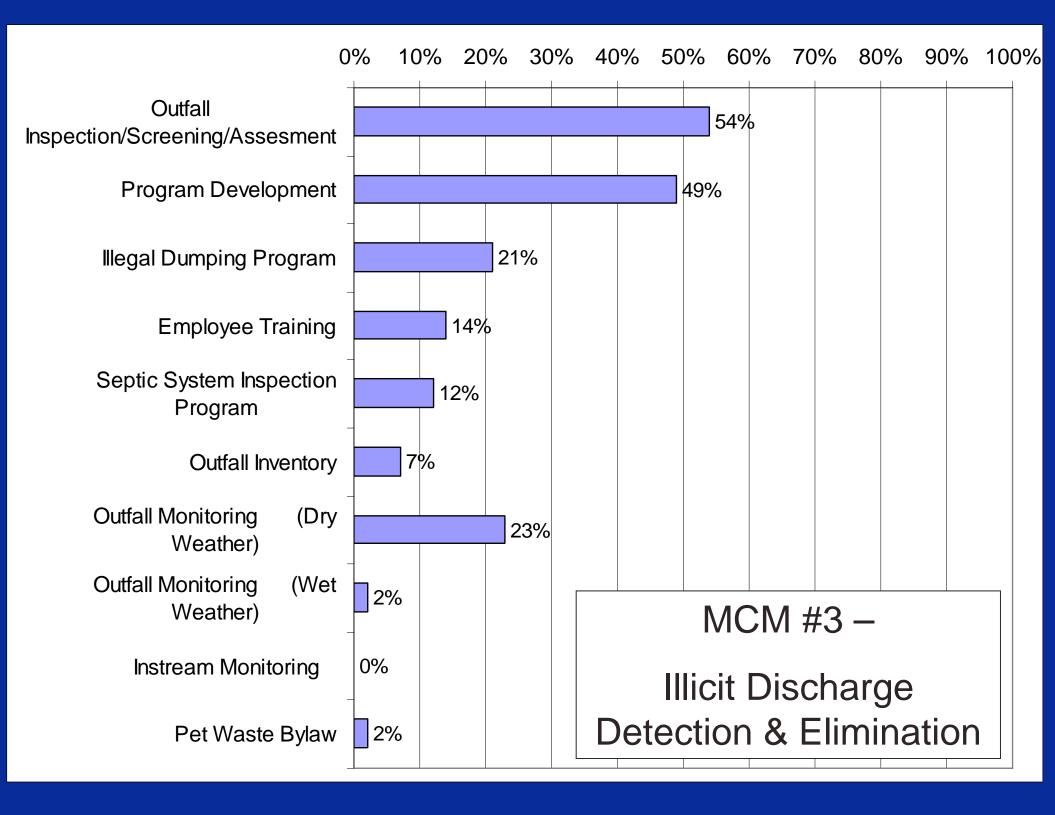








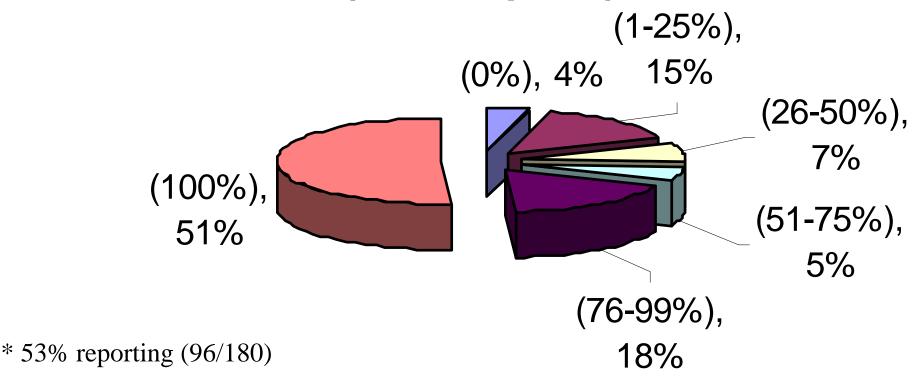




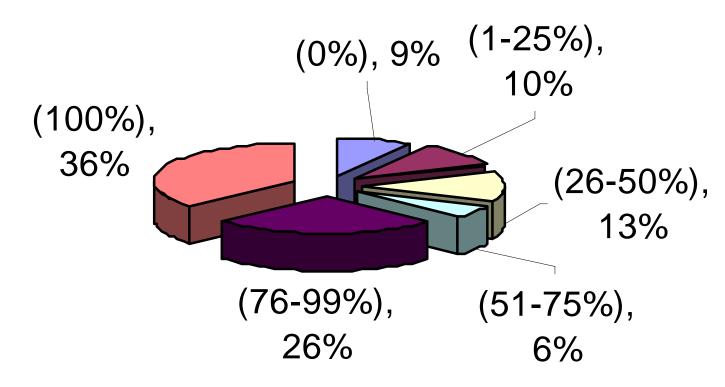
MCM #3 – IDDE Select Metrics

	% Using or #	% Reporting (#/180)
Outfall Mapping Complete	77%	53%
System-Wide Mapping Complete	71%	44%
Using GIS	54%	54%
Illicit Connections Identified	242	37%
Illicit Connections Removed	61	31%
% Illicit Connections Removed	25%	31%

Status of Outfall Mapping (% Complete)

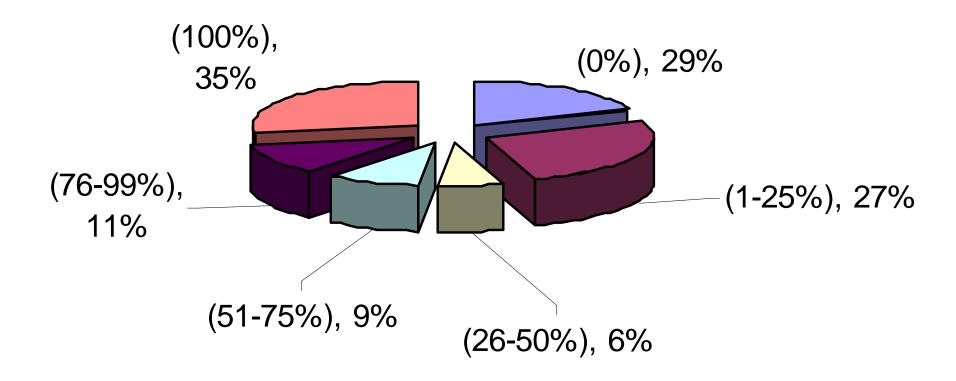


Status of System Wide Mapping (% Complete)



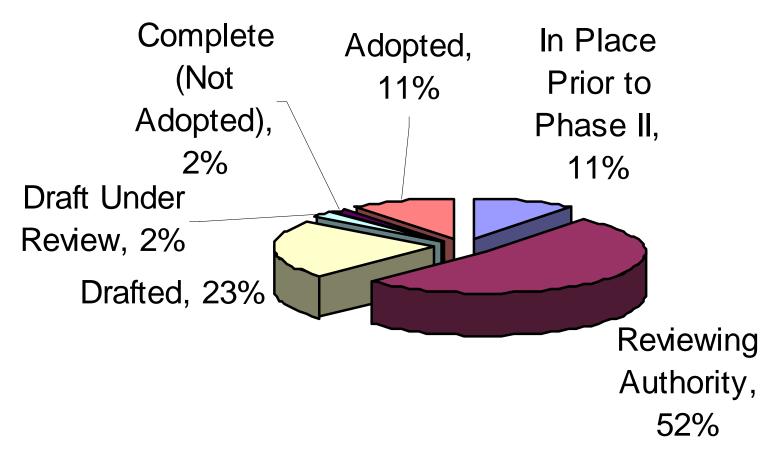
* 44% reporting (80/180)

Percentage of Outfalls Inspected/Screened



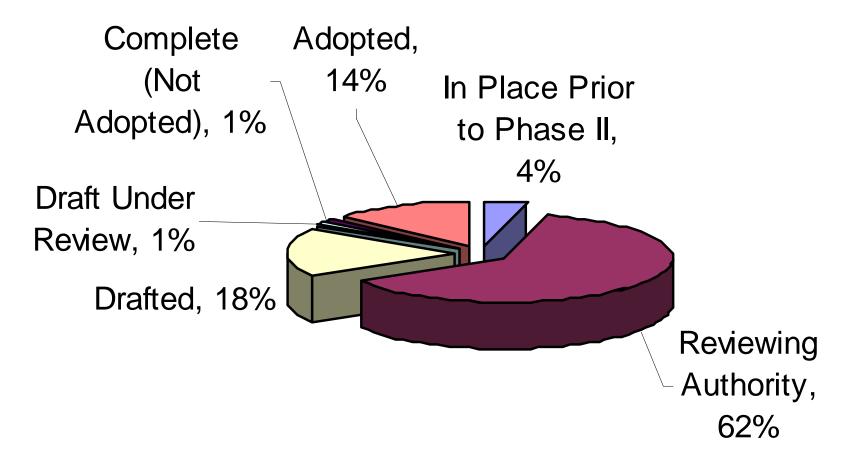
* 36% reporting (64/180)

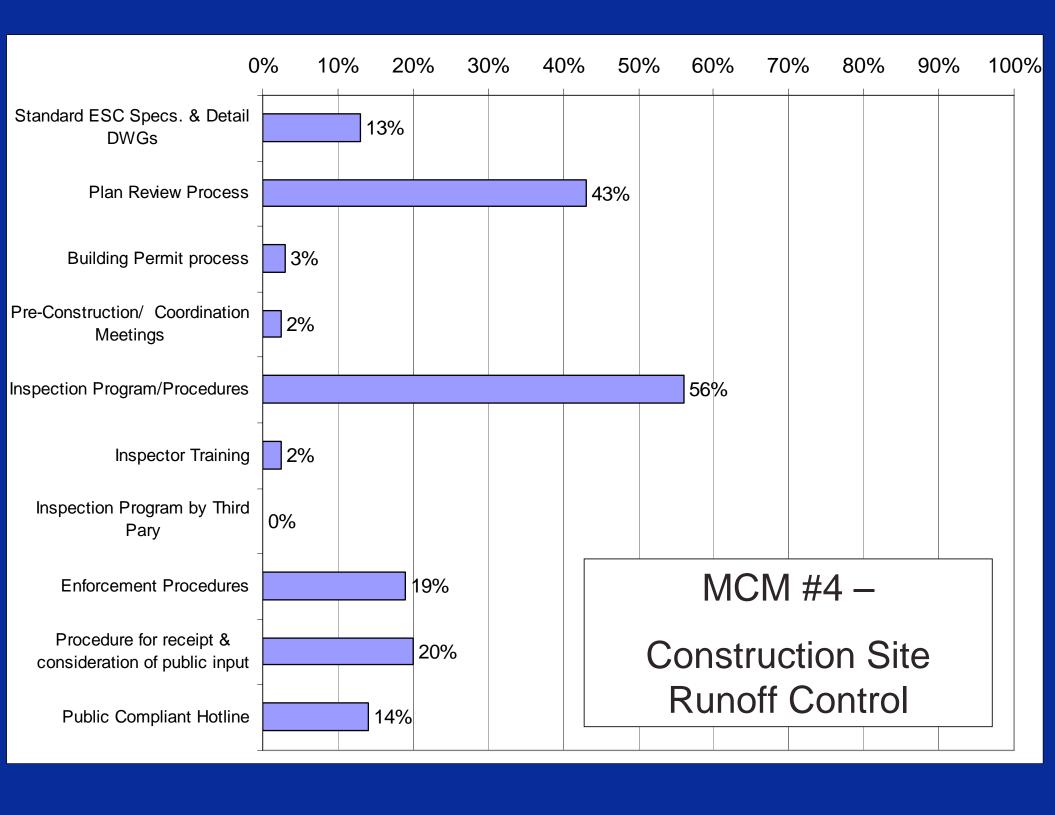
Regulatory Mechanism Status - IDDE



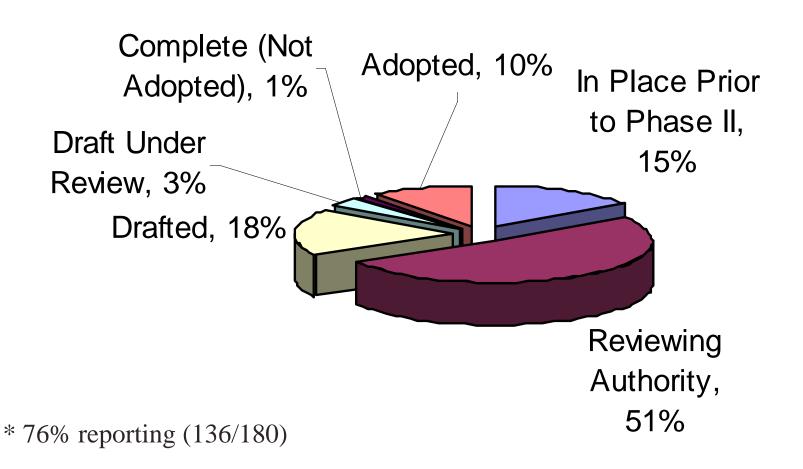
^{* 73%} reporting (132/180)

Supporting Regulations Status - IDDE

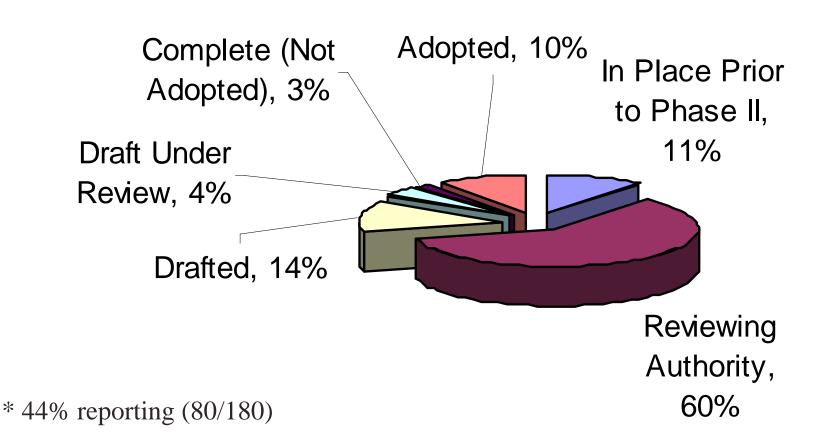


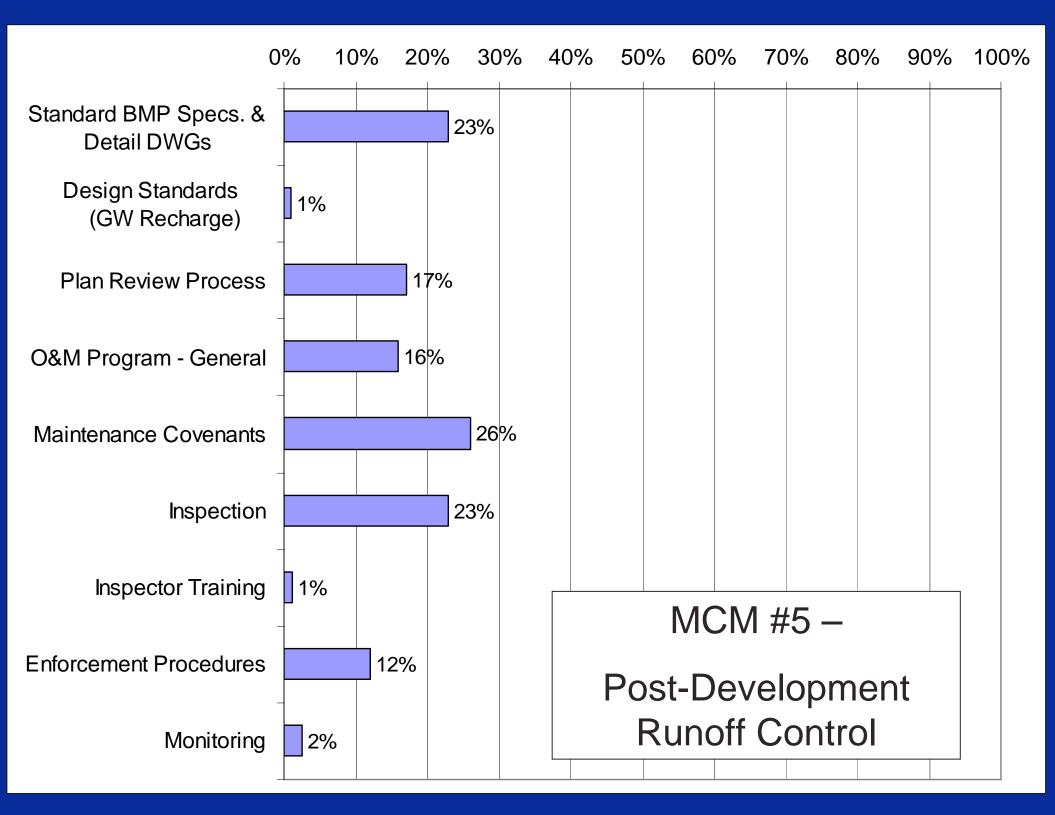


Regulatory Mechanism Status - Construction Site Runoff

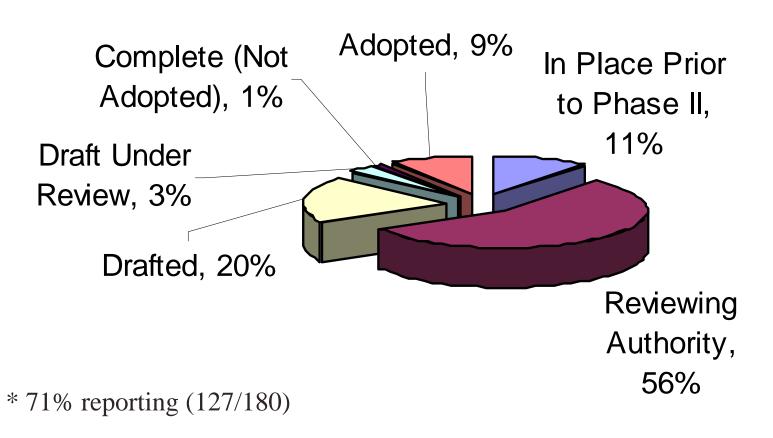


Supporting Regulations Status - Construction Site Runoff

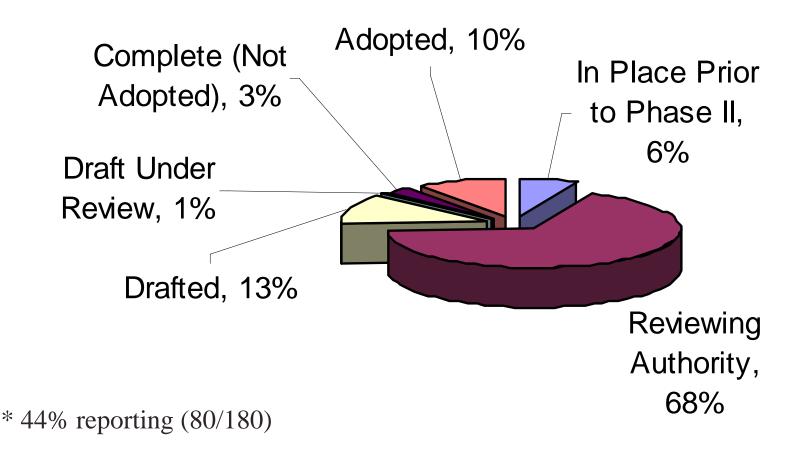


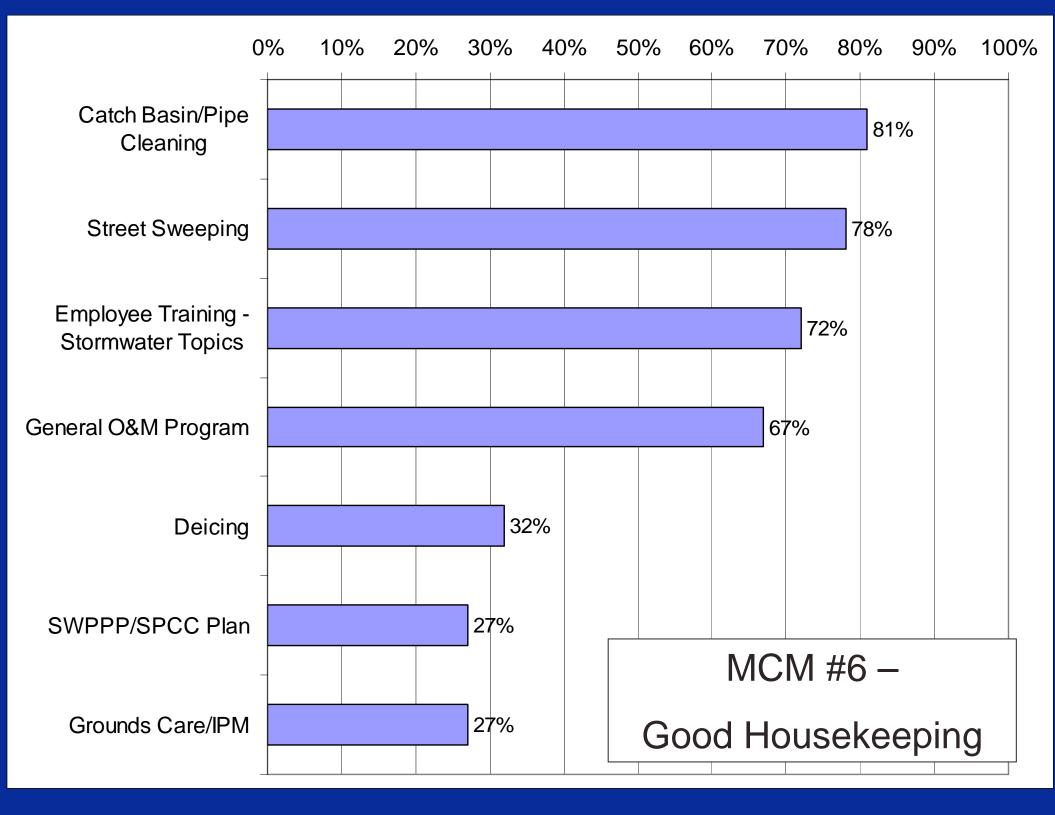


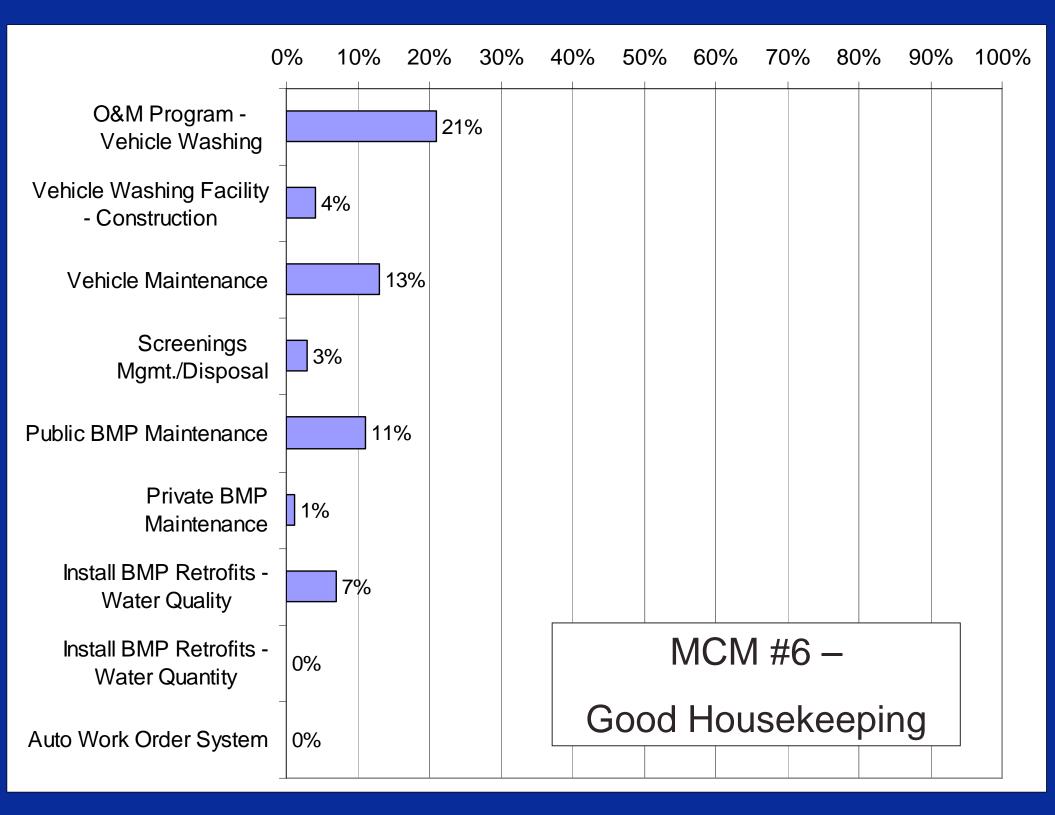
Regulatory Mechanism Status - Post Development Runoff



Supporting Regulations Status - Post Development Runoff







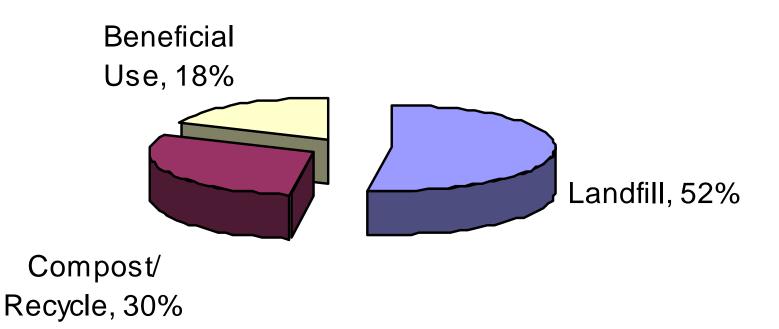
MCM #6 – Green Space Metrics

	% or % Avg. Reduction	% Reporting (#/180)	
Fertilizer Use	-24%	1 20/	
Fertilizers Not Used (prior to phase II)	25%	13%	
Herbicide Use	-62%	1 / 0 /	
Herbicides Not Used (prior to phase II)	48%	14%	
Pesticide Use	-52%	450/	
Pesticides Not Used (prior to phase II)	41%	15%	

MCM #6 – Catch Basin Metrics

	Avg. Frequency (times/yr) or #	% Reporting (#/180)
Catch Basin Cleaning	1.2	61%
(Commercial/Arterial)		
Catch Basin Cleaning	0.9	58%
(Non-Commercial/Non-Arterial)		
Avg. # Structures Cleaned	1400	41%
(Median)	(1000)	
Avg. LF Storm Drain Cleaned	7900	19%
(Median)	(1000)	
Avg. Qty. Screenings/Debris	740	22%
Removed (tons)	(360)	
(Median)		
Avg. # of CBs stenciled	140	15%
(Median)	(50)	

CB Screenings Use & Disposal

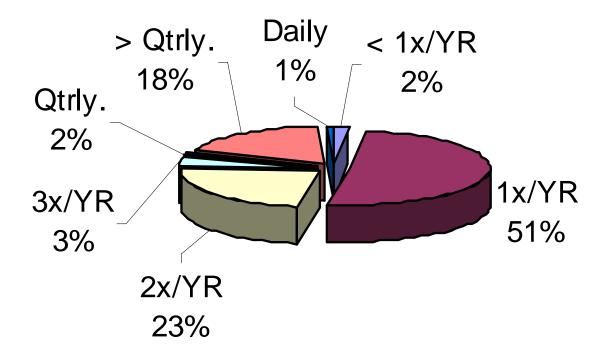


* 24% reporting (44/180)

MCM #6 – Street Sweeping Metrics

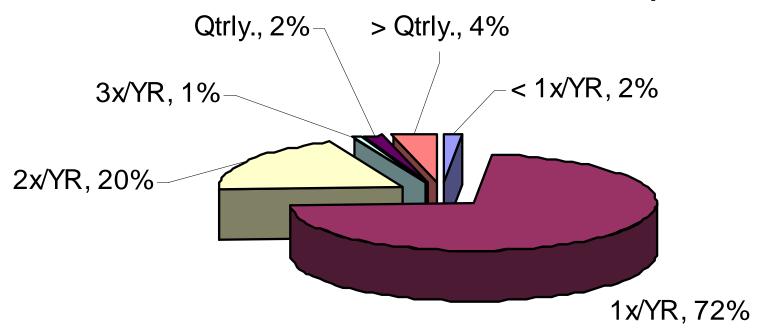
	Frequency (times/yr) or #	% Reporting (#/180)
Street Sweeping	10.4	67%
(Commercial/Arterial)		
Street Sweeping	2	70%
(Non-Commercial/		
Non-Arterial)		
Vacuum Sweepers	31	24%
Purchased/Leased		
Vacuum Sweepers	7	19%
Specified - Contracts		

Frequency of Street Sweeping (Commercial/Arterial)



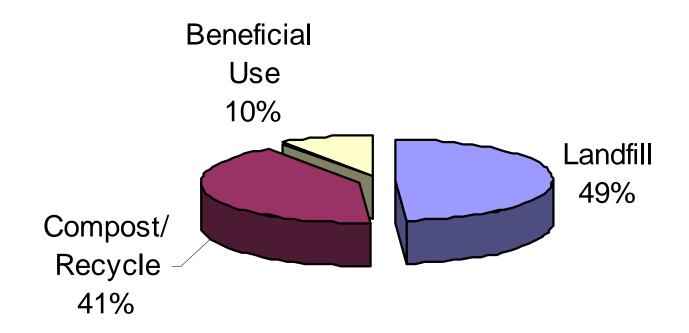
* 67% reporting (121/180)

Frequency of Street Sweeping (Non-Commercial/Non-Arterial)



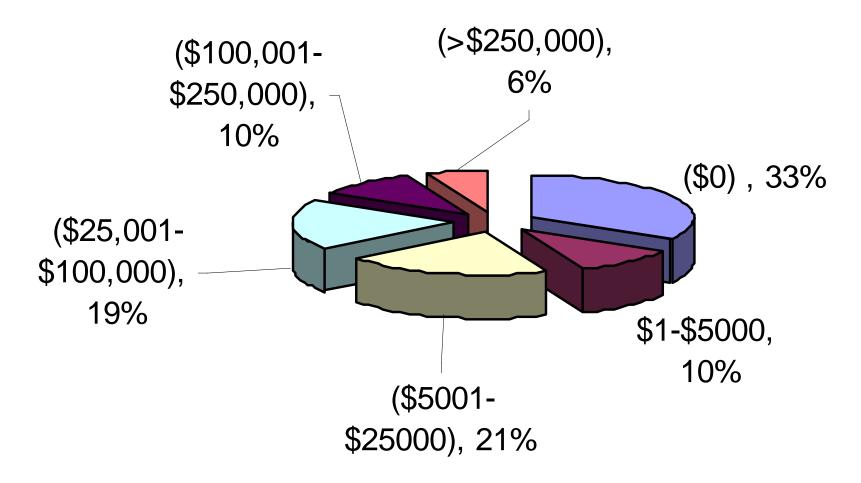
* 70% reporting (126/180)

Street Sweepings Use & Disposal



* 23% reporting (41/180)

Annual Expenditures



\$62,082	(Mean)	27% (Percent Reporting,
\$17,950	(Median)	48/180)

13 Stormwater Positions Created/Staffed (31% Reporting, 56/180)

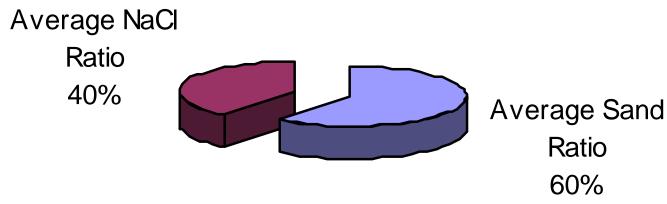
MCM #6 – Programmatic Metrics

	# Implementing Program	% Reporting (#/180)
Annual HHW days sponsored	140	78%
(Avg. # days/yr)	(2)	
School Curricula Implemented	42	43%
SW Mgmt. Comm. Established	57	48%
Stream Teams Established/	25	31%
Supported		

MCM #6 – Deicing Metrics

	% utilizing method	% Reporting (#/180)
Automatic or Zero- velocity spreaders	50%	27%
Manual control spreaders used	84%	28%
Pre-wetting techniques	40%	28%
Salt pile(s) covered in storage shed(s)	99%	40%

Salt/Sand Ratio



^{* 22%} reporting (41/180)

Putting a lid on manhole theft

ing a new kind of manhole cover to put a lid on rampant theft, Xinhua news agency said. Missing manhole covers are a hazardous fact of life in Beijing, where they are stolen to be sold as scrap.

"The new manhole covers will be made of non-metal materials with no recycling value," Wang Xin, spokesman for the city's utilities management department, said. REUTERS

